Poc's POTPTO 22 DEC 2004

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 31 December 2003 (31.12.2003)

PCT

(10) International Publication Number: WO 2004/001834 A1

(51) International Patent Classification⁷: C09D 9/00, C09G 1/04, G03F 7/42

H01L 21/3213,

- (21) International Application Number: PCT/EP2003/005549
- (22) International Filing Date:

27 May 2003 (27.05.2003)

(25) Filing Language:

German

(26) Publication Language:

German

(30) Priority Data:

102 27 867.9

22 June 2002 (22.06.2002)

DE

- (71) Applicant (for all designated States except US): MERCK PATENT GMBH [DE/DE]; Frankfurter Strasse 250, 64293 Darmstadt (DE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): MELLIES, Raimund [DE/DE]; Waldstrasse 63a, 64807 Dieburg (DE). BÖRNER, Marc [DE/DE]; Kiesstrasse 51, 64283 Darmstadt (DE). ARNOLD, Lucia [DE/DE]; Schubertstrasse 10a, 64839 Münster (DE). BARKO, Andrea [DE/DE]; Wendelbergstrasse 6, 63811 Stockstadt (DE). RHEIN, Rudolf [DE/DE]; Niemöller Strasse 7, 64646 Heppenheim (DE).

- 74) Common Representative: MERCK PATENT GMBH; Frankfurter Strasse 250, 64293 Darmstadt (DE).
- (81) Designated states (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated states (regional): ARIPO Patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian Patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European Patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COMPOSITION FOR THE REMOVAL OF SIDEWALL RESIDUES

⁽⁵⁷⁾ Abstract: The present invention relates to a composition for the removal of so-called "sidewall residues" from metal surfaces, in particular from aluminium or aluminium-containing surfaces, in particular from aluminium or aluminium-containing surfaces, during the production of semiconductor elements.